

**CYTO-STAT®/  
COULTER CLONE®  
My9-FITC,  
My9-RD1**

REF 6604111 - 50 tests

REF 6604121 - 50 tests

PN 4236043-F



	CLONE 1	CLONE 2
Specificity	CD33	CD33
Clone	906 <sup>2</sup>	906 <sup>2</sup>
Hybridoma	NS-1 x BALB/c	NS-1 x BALB/c
Immunogen	Tumor cells from a patient with chronic myeloid leukemia	Tumor cells from a patient with chronic myeloid leukemia
Ig Chain	IgG2b	IgG2b
Species	Mouse	Mouse
Source	Ascites fluid	Ascites fluid
Purification	Ion exchange chromatography	Ion exchange chromatography
Fluorescence	Excites at 468-509 nm / Emits at 504-541 nm	Excites at 486-580 nm / Emits at 568-590 nm
Conjugation	FITC (Fluorescein Isothiocyanate)	RD1 (Phycoerythrin)
Molar Ratio	FITC/Protein: 3-10	RD1/Protein: 0.5-1.5

### ANALYTE SPECIFIC REAGENT

Analytical and performance characteristics are not established.

### ANTIBODY SPECIFICITY

My9 (CD33) reacts with a 67 kD glycoprotein.<sup>1</sup> This molecule is expressed by peripheral blood monocytes but not granulocytes, erythrocytes, lymphocytes or platelets.<sup>2</sup> Approximately 30% of normal bone marrow cells express My9, including myeloblasts, promyeloblasts and myelocytes. The myeloid colony forming cells express My9, as do a subset of erythroid burst forming cells. Erythroid colony forming cells do not express My9.<sup>2,3</sup>

### REAGENT CONTENTS

The concentration of nonantibody reagents is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN<sub>3</sub> and stabilizers.

### STATEMENT OF WARNINGS

1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
2. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use reagent beyond the expiration date on the vial label.
5. Minimize exposure of reagent to light during storage or incubation.
6. Avoid microbial contamination of reagent or erroneous results may occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.
8. Harmful if swallowed.
9. After contact with skin, wash immediately with plenty of water.

### STORAGE CONDITIONS AND STABILITY

This reagent is stable to the expiration date on the vial label when stored at 2-8°C. Do not freeze. Minimize exposure to light.

### EVIDENCE OF DETERIORATION

Any change in the physical appearance of these reagents\*, or any major variation in values obtained for control samples may indicate deterioration and the reagents should not be used.

### \*Normal Appearance of Reagents

FITC labeled: Clear, colorless to yellowish liquid  
RD1 labeled: Clear, colorless to pinkish liquid

### REAGENT PREPARATION

No preparation is necessary. CYTO-STAT/COULTER CLONE reagent is used directly from the vial.

Bring reagent to 20-25°C prior to use.

### USAGE

This reagent is for use with standard flow cytometry methodologies.

The use of My9-FITC or My9-RD1 in this reagent is not intended for enumeration of CD33 cells in clinical diagnostic applications.

### SELECTED RESEARCH REFERENCES

1. Knapp W, Dorken B, Gilks WR, Rieber EP, Schmidt RE, Stein H and von dem Borne AEGK, eds. 1989. Leukocyte Typing IV. Oxford, UK: Oxford University Press. p. 83.
2. Bernard A, Boumsell L, Dausset J, Milstein C and Schlossman SF, eds. 1984. Leukocyte Typing. New York, NY: Springer-Verlag. p. 404.
3. Griffin JD, Lynch D, Sabbath K, Larcome P and Schlossman SF. 1984. A monoclonal antibody reactive with normal and leukemic human myeloid progenitor cells. Leukemia Research 8:521.

### PRODUCT AVAILABILITY

CYTO-STAT/COULTER CLONE My9-FITC  
PN 6604111 - 50 tests (0.5 mL)

OR

CYTO-STAT/COULTER CLONE My9-RD1  
PN 6604121 - 50 tests (0.5 mL)

RD1 is licensed under patent 4,520,110.

For additional information or if damaged product is received in the USA, call 800-526-7694. Outside the USA, contact your local Beckman Coulter Representative.

### TRADEMARKS

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